



**PATENT**  
Attorney Docket No. 12-0887

**IN THE U.S. PATENT AND TRADEMARK OFFICE**

Application No.: 09/448,175 )  
)  
Filing Date: November 24, 1999 )  
)  
Inventor(s): Hanna S-H Hsu, et al. )  
)  
Group Art Unit: 2634 )  
)  
Examiner Name: Odom, Curtis B. )  
)  
Customer No.: 27160 )  
)  
Title: POLYPHASE FILTER WITH )  
STACK SHIFT CAPABILITY )

**CERTIFICATE OF MAILING**

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date.

Oct 27, 2004  
Date

John S. Paniaguas  
John S. Paniaguas  
Registration No. 31,051  
Attorney for Applicant(s)

**RECEIVED**

OCT 28 2004

Technology Center 2600

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT**

Sir:

In response to the Official Action mailed on June 22, 2004, please amend the above-identified application as follows.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 5 of this paper.

2634/41  
PATENT APPLICATION

Attorney Docket No. 12-0887

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Hanna S-H Hsu, et al.

Application No.: 09/448,175

Filed: November 24, 1999

For: POLYPHASE FILTER WITH STACK SHIFT  
CAPABILITY

Group Art Unit: 2634

Examiner: Odom, Curtis B.

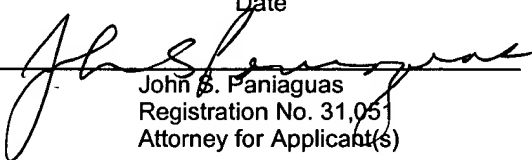
Customer No.: 27160

## CERTIFICATE OF MAILING

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Oct 22, 2004

Date



John B. Paniaguas  
Registration No. 31,051  
Attorney for Applicant(s)

## AMENDMENT TRANSMITTAL

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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Dear Sir:

Transmitted herewith is an Amendment in the above-identified application.

1. ( ) A paper requesting correction/substitution of drawings is attached.

## 2. Fee for Claims

(X) No additional fee is required.

The fee for additional claims in accordance with 37 C.F.R. §1.16(b)-(d) has been calculated as shown below:

					SMALL ENTITY		OTHER THAN A SMALL ENTITY	
	Claims Remaining After Amendment	Highest No. Previously Paid for		Present Extra	Rate	Additional Fee	Rate	Additional Fee
Total		Minus		--	x 9	--	x 18	--
Indep.		Minus		--	x 42	--	x 84	--
Fee for Multiple Dependent Claims					+140		+280	--
TOTAL ADDITIONAL FEES							OR	-----

3. **Method of Payment of Fees**

( ) Enclosed is our firm check in the amount of: \$ \_\_\_\_\_

( ) Charge \$ \_\_\_\_\_ to Deposit Account No. 50-1214.

4. (X) The Commissioner is hereby authorized to charge any additional fees which may be required in this application under 37 C.F.R. §§1.16-1.17 during its entire pendency, or credit any overpayment, to Deposit Account No. 50-1214. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-1214. This sheet is filed in duplicate.

Respectfully Submitted,

Oct 22, 2004  
(Date)

By:

John S. Paniaguas  
John S. Paniaguas  
Registration No. 31,051

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